

Certificate of Conformity

Registered No.:
COC PVP10105/24B-002

File reference
PVP10105/24B-002

Test report No.
TRPVP10105/24B/002

Date of issue
2025-03-26

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **FOXESS CO., LTD.**
No.939, Jinhai Third Road, New Airport Industry Area, Longwan District,
Wenzhou, Zhejiang, China

Manufacturer: **FOXESS CO., LTD.**
No.939, Jinhai Third Road, New Airport Industry Area, Longwan District,
Wenzhou, Zhejiang, China

Factory : **FOXESS CO., LTD.**
No.939, Jinhai Third Road, New Airport Industry Area, Longwan District,
Wenzhou, Zhejiang, China

Product: Storage Inverter
H1-3.0-E-G2, H1-3.7-E-G2, H1-4.6-E-G2, H1-5.0-E-G2, H1-6.0-E-G2,
H1-4.6-E1-G2, H1-5.0-E1-G2, H1-3.0-E-G2-WL, H1-3.7-E-G2-WL,
H1-4.6-E-G2-WL, H1-5.0-E-G2-WL, H1-6.0-E-G2-WL,
H1-4.6-E1-G2-WL, H1-5.0-E1-G2-WL, H1-6.0-E1-G2-WL,

Type designation: AC1-3.0-E-G2, AC1-3.7-E-G2, AC1-4.6-E-G2, AC1-5.0-E-G2,
AC1-6.0-E-G2, AC1-4.6-E1-G2, AC1-5.0-E1-G2, AC1-3.0-E-G2-WL,
AC1-3.7-E-G2-WL, AC1-4.6-E-G2-WL, AC1-5.0-E-G2-WL,
AC1-6.0-E-G2-WL, AC1-4.6-E1-G2-WL, AC1-5.0-E1-G2-WL,
AC1-6.0-E1-G2-WL

Type of equipment: Interface device
 Interface protection
 Static conversion device
 Rotary generation device

Remark: The device is for plants of each power.



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): CEI 0-21:2022, CEI 0-21; V1:2022-11, CEI 0-21; V2:2024-01, CEI 0-21; V2/EC:2024-03, CEI 0-21; V2/EC2:2025-02
See test report for detailed information.

Certification body: **TÜV NORD (HANGZHOU) CO., LTD.**
Room B409, Building 1, No. 9, Jiuhuan Road, Shangcheng District,
Hangzhou City, Zhejiang Province, 310019, P.R. China
Accredited by CNAS according to ISO/IEC 17065:2012, certificate no.
CNAS C183-P.

Testing laboratory: **Dongguan BALUN Testing Technology Co., Ltd.**
Room 104, 204, 205, Building 1, No. 6, Industrial South Road, Songshan
Lake District, Dongguan, Guangdong, China
Accredited by CNAS according to ISO/IEC 17025:2017, certificate no.
CNAS L14701

Conclusion: After verifying following documents, it is concluded that the product is in compliance with the requirements of CEI 0-21:2022, CEI 0-21; V1:2022-11, CEI 0-21; V2:2024-01, CEI 0-21; V2/EC:2024-03, CEI 0-21; V2/EC2:2025-02.
 ISO 9001 certificate:
Certificate no. 201838, issued by DCI Certification Ltd
 Test report of CEI 0-21:2022, CEI 0-21; V1:2022-11, CEI 0-21; V2:2024-01, CEI 0-21; V2/EC:2024-03, CEI 0-21; V2/EC2:2025-02
Report no. BL-DG2530173-201, issued by Dongguan BALUN Testing Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Description of product(s):

Model types:	H1-3.0- E-G2	H1-3.7- E-G2	H1-4.6- E-G2	H1-5.0- E-G2	H1-6.0- E-G2	H1-4.6- E1-G2	H1-5.0- E1-G2
General information							
Software version:	V1.09						
PV input							
Vmax PV [Vd.c.]:	600						
MPP voltage range [Vd.c.]:	80-550						
Isc PV [Ad.c.]:	2*20						
Max. input current [Ad.c.]:	2*16						
Overvoltage category (OVC):	II						
Battery parameters							
Battery Type:	Lithium-Ion						
Voltage range [Vd.c.]:	80-480						
Max. Charge / Discharge Current [Ad.c.]:	40/40						
AC output (Grid Side) parameters							
Rated output voltage [Va.c.]:	220/380, 230/400						
Rated output frequency [Hz]:	50/60						
Rated output power [W]:	3000	3680	4600	5000	6000	4600	5000
Max. output power [VA]:	3300	4048	5060	5500	6600	4600	5000
Rate output current [Aa.c.]:	13.6	16.7	20.9	22.7	27.3	20.9	22.7
Power factor cosφ [λ]:	0.8 leading to 0.8 lagging						
Overvoltage category (OVC):	III						
AC input parameters:							
Rated input voltage [Va.c.]:	220/380, 230/400						



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Raged input frequency [Hz]:	50/60						
Max. input Power [VA]	6000	7680	9200	10000	12000	9200	10000
Max. input Current [Aa.c.]	27.3	34.9	41.8	45.5	54.5	41.8	45.5
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging						
EPS output parameters							
Rated output voltage [Va.c.]:	220/380, 230/400						
Raged output frequency [Hz]:	50/60						
Max. Apparent power [VA]	3000	3680	4600	5000	6000	4600	5000
Max. Output current [Aa.c.]	13.6	16.7	20.9	22.7	27.3	20.9	22.7
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging						

Model types:	H1-3.0-E-G2-WL	H1-3.7-E-G2-WL	H1-4.6-E-G2-WL	H1-5.0-E-G2-WL
General information				
Software version:	V1.09			
PV input				
Vmax PV [Vd.c.]:	600			
MPP voltage range [Vd.c.]:	80-550			
Isc PV [Ad.c.]:	2*20			
Max. input current [Ad.c.]:	2*16			
Overvoltage category (OVC):	II			
Battery parameters				
Battery Type:	Lithium-Ion			
Voltage range [V d.c.]:	80-480			
Max. Charge/Discharge Current [Ad.c.]:	40/40			
AC output (Grid Side) parameters				



Renewable Energy

GRID-T-004 COC



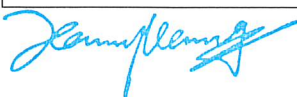
中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Rated output voltage [Va.c.]:	220/230			
Rated output frequency [Hz]:	50/60			
Rated output power [W]:	3000	3680	4600	5000
Max. apparent power [VA]:	3300	4048	5060	5500
Rated output current [A a.c.]:	13.6	16.7	20.9	22.7
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging			
Overvoltage category (OVC):	III			
AC input parameters				
Rated input voltage [Va.c.]:	220/230			
Rated input frequency [Hz]:	50/60			
Max. apparent power [W]:	6000	7680	9200	10000
Max. input current [A a.c.]:	27.3	34.9	41.8	45.5
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging			
EPS output parameters				
Rated output voltage [Va.c.]:	220/230			
Rated output frequency [Hz]:	50/60			
Max. apparent power [VA]:	3000	3680	4600	5000
Max. output current [A a.c.]:	13.6	16.7	20.9	22.7
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging			

Model types:	H1-6.0-E-G2-WL	H1-4.6-E1-G2-WL	H1-5.0-E1-G2-WL	H1-6.0-E1-G2-WL
General information				
Software version:	V1.09			
PV input				

Vmax PV [Vd.c.]	600			
MPP voltage range [Vd.c.]..:	80-550			
Isc PV [Ad.c.]	2*20			
Max. input current [Ad.c.]..:	2*16			
Overvoltage category (OVC)	II			
Battery parameters				
Battery Type:	Lithium-Ion			
Voltage range [Vd.c.]:	80-480			
Max. Charge/Discharge Current [Ad.c.]:	40/40			
AC output (Grid Side) parameters				
Rated output voltage [V a.c.]:	220/230			
Rated output frequency [Hz]:	50/60			
Rate output power [W]:	6000	4600	5000	6000
Max. apparent power [VA]:	6600	4600	5000	6000
Rate output current [Aa.c.]:	27.3	20.9	22.7	27.3
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging			
Overvoltage category (OVC):	III			
AC input parameters				
Rated input Voltage [Va.c.]	220/230			
Rated input Frequency [Hz]	50/60			
Max. input Power [VA]	12000	9200	10000	12000
Max. input Current [Aa.c.]	54.5	41.8	45.5	54.4
Power Factor $\cos\phi$ [λ]	0.8 leading to 0.8 lagging			
AC output parameters				
Rated output voltage [Va.c.]:	220/230			



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Rated output frequency [Hz]:	50/60			
Max. apparent power [VA]:	6000	4600	5000	6000
Max. output current [Aa.c.]:	27.3	20.9	22.7	27.3
Power Factor $\cos\phi$ [λ]	0.8 leading to 0.8 lagging			

Model types:	AC1- 3.0-E- G2	AC1- 3.7-E- G2	AC1- 4.6-E- G2	AC1- 5.0-E- G2	AC1- 6.0-E- G2	AC1- 4.6-E1- G2	AC1- 5.0-E1- G2
General information							
Software version:	V1.09						
AC output (Grid Side) parameters							
Rated output voltage [Va.c.]:	220/380, 230/400						
Rated output frequency [Hz]:	50/60						
Rated output power [W]:	3000	3680	4600	5000	6000	4600	5000
Max. apparent power [VA]:	3300	4048	5060	5500	6600	4600	5000
Rated output current [Aa.c.]:	13.6	16.7	20.9	22.7	27.3	20.9	22.7
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging						
Overvoltage category (OVC):	III						
Battery parameters							
Battery Type:	Lithium-Ion						
Voltage range [Vd.c.]:	80-480						
Max. Charge/Discharge Current [Ad.c.]:	40/40						
AC input parameters							
Rated input Voltage [Va.c.]:	220/380, 230/400						
Rated input Frequency [Hz]:	50/60						



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

Page 7 of 13

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Version 1.0

Max. input Power [VA]	6000	7680	9200	10000	12000	9200	10000
Max. input Current [Aa.c.]	27.3	34.9	41.8	45.5	54.5	41.8	45.5
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging						
EPS output parameters:							
Rated output voltage [Va.c.]:	220/380, 230/400						
Rated output frequency [Hz]:	50/60						
Max. apparent power [VA]:	3000	3680	4600	5000	6000	4600	5000
Max. output current [Aa.c.]:	13.6	16.7	20.9	22.7	27.3	20.9	22.7
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging						

Model types:	AC1-3.0-E-G2-WL	AC1-3.7-E-G2-WL	AC1-4.6-E-G2-WL	AC1-5.0-E-G2-WL
General information				
Software version:	V1.09			
AC output (Grid Side) parameters				
Rated output voltage [Va.c.]:	220/380, 230/400			
Rated output frequency [Hz]:	50/60			
Rated output power [W]:	3000	3680	4600	5000
Max. apparent power [VA]:	3300	4048	5060	5500
Rated output current [Aa.c.]:	13.6	16.7	20.9	22.7
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging			
Overvoltage category (OVC):	III			
Battery parameters:				
Battery Type:	Lithium-Ion			
Voltage range [Vd.c.]:	80-480			



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Max. Charge/Discharge Current [Ad.c.]:	40/40			
AC input parameters				
Rated input Voltage [Va.c.]	220/380, 230/400			
Rated input Frequency [Hz]	50/60			
Max. input Power [VA]	6000	7680	9200	10000
Max. input Current [Aa.c.]	27.3	34.9	41.8	45.5
Power factor cosφ [λ]:	0.8 leading to 0.8 lagging			
AC output (Back-up) parameters				
Rated output voltage [Va.c.]:	220/380, 230/400			
Raged output frequency [Hz]:	50/60			
Max. apparent power [W]:	3000	3680	4600	5000
Max. output current [A a.c.]:	13.6	16.7	20.9	22.7
Power factor cosφ [λ]:	0.8 leading to 0.8 lagging			

Model types:	AC1-6.0-E-G2-WL	AC1-4.6-E1-G2-WL	AC1-5.0-E1-G2-WL	AC1-6.0-E1-G2-WL
General information				
Software version:	V1.09			
AC output (Grid Side) parameters				
Rated output voltage [Va.c.]:	220/380, 230/400			
Rated output frequency [Hz]:	50/60			
Rated output power [W]:	6000	4600	5000	6000
Max. apparent power [VA]:	6600	4600	5000	6000
Rated output current [Aa.c.]:	27.3	20.9	22.7	27.3
Power factor cosφ [λ]:	0.8 leading to 0.8 lagging			



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Overvoltage category (OVC):	III			
Battery parameters				
Battery Type:	Lithium-Ion			
Voltage range [V d.c.]:	80-480			
Max. Charge/Discharge Current [Ad.c.]:	40/40			
AC input parameters				
Rated input Voltage [Va.c.]	220/380, 230/400			
Rated input Frequency [Hz]	50/60			
Max. input Power [VA]	12000	9200	10000	12000
Max. input Current [Aa.c.]	54.5	41.8	45.5	54.5
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging			
AC output (Back-up) parameters:				
Rated output voltage [V a.c.]:	220/230/240			
Rated output frequency [Hz]:	50/60			
Max. apparent power [W]:	6000	4600	5000	6000
Max. output current [A a.c.]:	27.3	20.9	22.7	27.3
Power factor $\cos\phi$ [λ]:	0.8 leading to 0.8 lagging			

Remark: The inverters listed above may be installed with the following batteries:

The inverters listed above may be installed with the following batteries:						
Manufacturer	FOXESS Co., Ltd.					
Accumulator Model / Battery Model	ECS29 00-H2	ECS29 00-H3	ECS29 00-H4	ECS29 00-H5	ECS29 00-H6	ECS290 0-H7
Capacity of each battery module (kWh)	2.88					
Number(s) of battery modules recommended by the manufacturer (CM2900&CS2900)	1+1	1+2	1+3	1+4	1+5	1+6
BCU	Software version: R1.10					



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

Page 10 of 13

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Version 1.0

	Hardware version: V1.1					
BMU	Software version: R1.8 Hardware version: V1.1					
IVU	Software version: R1.0 Hardware version: V1.1					
Manufacturer	FOXESS Co., Ltd.					
Accumulator Model / Battery Model	ECS41 00-H2	ECS41 00-H3	ECS41 00-H4	ECS41 00-H5	ECS41 00-H6	ECS410 0-H7
Capacity of each battery module (kWh)	4.03					
Number(s) of battery modules recommended by the manufacturer (CM2900&CS2900)	1+1	1+2	1+3	1+4	1+5	1+6
BCU	Software version: R1.10 Hardware version: V1.1					
BMU	Software version: R1.8 Hardware version: V1.1					
IVU	Software version: R1.0 Hardware version: V1.1					
Manufacturer	FOXESS Co., Ltd.					
Accumulator Model / Battery Model	ECS43 00H-H2	ECS43 00H-H3	ECS43 00H-H4	ECS43 00H-H5	ECS43 00H-H6	ECS430 0H-H7
Capacity of each battery module (kWh)	4.15					
Number(s) of battery modules recommended by the manufacturer (CM4100&CS4100)	1+1	1+2	1+3	1+4	1+5	1+6
BCU	Software version: R1.10 Hardware version: V1.1					
BMU	Software version: R1.8 Hardware version: V1.1					
IVU	Software version: R1.0 Hardware version: V1.1					
Manufacturer	FOXESS Co., Ltd.					
Accumulator Model / Battery Model	ECS28 00-H2	ECS28 00-H3	ECS28 00-H4	ECS28 00-H5	ECS28 00-H6	ECS280 0-H7
Capacity of each battery module (kWh)	2.76					

Number(s) of battery modules recommended by the manufacturer (CM4100&CS4100)	1+1	1+2	1+3	1+4	1+5	1+6
BCU	Software version: R1.10 Hardware version: V1.1					
BMU	Software version: R1.8 Hardware version: V1.1					
IVU	Software version: R1.0 Hardware version: V1.1					
Manufacturer	FOXESS Co., Ltd.					
Accumulator Model / Battery Model	EQ4800-L2	EQ4800-L3	EQ4800-L4	EQ4800-L5		
Capacity of each battery module (kWh)	4.66					
Number(s) of battery modules recommended by the manufacturer (EQ4800-M+EQ4800-S)	2	3	4	5		
BCU	Software version: R2.0.07 Hardware version: V1.1					
BMU	Software version: R1.0.55 Hardware version: V1.1					
IVU	Software version: R1.0.13 Hardware version: V1.1					
Manufacturer	FOXESS Co., Ltd.					
Accumulator Model / Battery Model	EQ4800-L6	EQ4800-L7	EQ4800-L8	EQ4800-L9		
Capacity of each battery module (kWh)	4.66					
Number(s) of battery modules recommended by the manufacturer (EQ4800-M+EQ4800-S)	6	7	8	9		
BCU	Software version: R2.0.07 Hardware version: V1.1					
BMU	Software version: R1.0.55 Hardware version: V1.1					
IVU	Software version: R1.0.13 Hardware version: V1.1					
Manufacturer	FOXESS CO., LTD.					
Accumulator Model / Battery Model	EP5	EK5	EP11	EK11		



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Nominal energy (kWh)	5.18	10.36
Nominal voltage (Vdc)	192	384
BCU	Software version: V1.0.31 Hardware version: V1.1	
BMU	Software version: V1.0.58 Hardware version: V1.2	

Accumulator Model / Battery Model	Number of parallel batteries			
	1	2	3	4
EP5*	1	2	3	4
EK5*	1	2	3	4
EP11**	1	2	3	4
EK11**	1	2	3	4

Note: The batteries are not integrated into the inverter and must be installed according to the local regulations.

ECS2900, ECS4100 and ECS4300H are family products, they are have same BMS and same technical except for model name.

* EK5, EP5 are family products, they are have same BMS and same technical except for model name.

** EK11, EP11 are family products, they are have same BMS and same technical except for model name.



Renewable Energy



中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China